

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

- 1                   1.       (Original) A method for integrating anatomical information from a  
2   plurality of sources of information, comprising:  
3                   receiving two or more three dimensional (3D) anatomical maps sharing a  
4   common plane specified by three or more marker points common to the two or more maps;  
5                   placing one or more marker points on one or more teeth;  
6                   generating a digital model of the teeth with the marker points; and  
7                   aligning the two or more 3D anatomical maps and the digital teeth model using  
8   the marker points.
- 1                   2.       (Original) The method of claim 1, wherein the anatomical information is  
2   stereo craniofacial data.
- 1                   3.       (Original) The method of claim 1, wherein one of the anatomical map is  
2   an X-ray map.
- 1                   4.       (Original) The method of claim 3, wherein the X-ray map is generated  
2   using correlated points on X-ray pairs and using y-parallax measurements.
- 1                   5.       (Original) The method of claim 3, wherein the X-ray information is  
2   stereo.
- 1                   6.       (Original) The method of claim 3, further comprising calibrating one or  
2   more X-ray sources.
- 1                   7.       (Original) The method of claim 6, further comprising determining a  
2   principal distance from an X-ray source to a film plane.

1                   8.       (Original) The method of claim 6, further comprising characterizing  
2 internal dimensions of the one or more X-ray sources by locating an X-ray film relative to an X-  
3 ray source.

1                   9.       (Original) The method of claim 1, wherein one of the anatomical map is a  
2 3D image map.

1                   10.      (Original) The method of claim 1, wherein the placing of the markers  
2 further comprises wearing a dental appliance with one or more marker points.

1                   11.      (Original) The method of claim 1, wherein each marker is a tie point.

1                   12.      (Original) The method of claim 1, wherein the aligning uses discrete  
2 anatomical landmark information.

1                   13.      (Original) The method of claim 1, further comprising displaying the  
2 aligned maps as an integrated 3D anatomical model.

1                   14.-18. (Canceled).

1                   19.      (Original) A system, comprising:  
2 an appliance with one or more teeth markers embedded therein ~~The system of~~  
3 ~~claim 15~~, wherein each marker is a tie point;  
4 an X-ray camera receiving X-ray information with X-ray marker information;  
5 a three-dimensional digital camera receiving three-dimensional anatomical  
6 information with anatomical marker information;  
7 a dental scanner to generate a three-dimensional teeth model with teeth marker  
8 information;  
9 a computer to align the X-ray information, 3D anatomical information, and the 3D  
10 teeth model using the marker information.

1                   20.      (Canceled).